

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1-5. (Canceled)

6. (Currently Amended) An information processing apparatus, ~~which includes comprising:~~

a storage unit that stores data to be processed;

a management record unit that records processing contents data representing processing contents of the data to be processed;

a control unit that controls to carry out information processing, based on the processing contents data recorded in the management record unit, about the data to be processed stored in the storage unit;

storing means for storing unprocessed information; and

a resuming means for resuming unit that resumes, in case that when the information processing is temporarily stopped and resumed, the information processing based on the processing contents data which is not changed between pre- and post-resuming; under a condition where the unprocessed information is stored in the storing means, and

the information processing apparatus comprising:

an invalidating means for invalidating information unit that invalidates the processing contents data recorded in the management record unit;

an operation admission unit that ~~means for making~~ makes the
invalidating ~~means-unit~~ operable so that after the information processing is
processed carried out, the invalidating ~~means-unit~~ invalidates the ~~processed~~
information processing contents data for which the information processing has
been carried out; and

a limiting ~~means for limiting~~ unit that limits, in case that when the
invalidating ~~means-unit~~ is operable, the operation of the resuming ~~means and~~
~~resuming-unit~~, wherein the information processing under a condition where
part or all of the unprocessed information is deleted from the storing means is
resumed after deleting a part or all of the processing contents data recorded in
the management record unit,

wherein when the storage unit successively stores the data to be
processed, the control unit controls to carry out successive information
processing of the data to be processed already stored in the storage unit.

7. (Currently Amended) An information processing apparatus, ~~which~~
includes comprising:

a storage unit that stores data to be processed;

a management record unit that records processing contents data
representing processing contents of the data to be processed;

a control unit that controls to carry out information processing, based on the processing contents data recorded in the management record unit, about the data to be processed stored in the storage unit;

storing means for storing unprocessed information; and

a resuming means for resuming unit that resumes, in case that when the information processing is temporarily stopped and resumed, the information processing based on the processing contents data which is not changed between pre- and post-resuming; under a condition where the unprocessed information is stored in the storing means, and

the information processing apparatus comprising:

an operation admission unit that means for additionally making makes operable an invalidating means for invalidating unit that invalidates, after the information is pre-processed carried out, the pre-processed information processing contents data for which the information processing has been carried out; and

a limiting means for limiting unit that limits, in case that when the invalidating means unit is operable, the operation of the resuming means and resuming unit, wherein the information processing under a condition where part or all of the unprocessed information is deleted from the storing means is resumed after deleting a part or all of the processing contents data recorded in the management record unit,

wherein when the storage unit successively stores the data to be processed, the control unit controls to carry out successive information processing of the data to be processed already stored in the storage unit.

8. (Currently Amended) ~~An~~The information processing apparatus according to claim 6, wherein the resuming ~~means unit is provided with means for~~includes a condition maintaining unit that maintains a condition where the storing ~~means storage unit stores the unprocessed information data to be~~processed while the information processing is stopped.

9. (Currently Amended) ~~An~~The information processing apparatus according to claim 7, wherein the resuming ~~means unit is provided with means for~~includes a condition maintaining unit that maintains a condition where the storing ~~means storage unit stores the unprocessed information data to be~~processed while the information processing is stopped.

10. (Currently Amended) ~~An~~The information processing apparatus according to claims 6, wherein

~~the unprocessed information comprises data to be processed and associated information associated with the data;~~

~~the storing means is provided with:~~

~~first storing means for storing the data to be processed; and~~

~~second storing means for storing the associated information including information necessary for reading out the data to be processed from the first storing means, and~~
the limiting means unit is structured so as to resume the information processing ~~under a condition where the associated information after all of the processing contents data is deleted from the second storing means~~
management record unit.

11. (Currently Amended) An The information processing apparatus according to claims 7, wherein

~~the unprocessed information comprises data to be processed and associated information associated with the data,~~
the storing means is provided with:
~~first storing means for storing the data to be processed; and~~
~~second storing means for storing the associated information including information necessary for reading out the data to be processed from the first storing means, and~~
the limiting means unit is structured so as to resume the information processing ~~under a condition where the associated information after all of the processing contents data is deleted from the second storing means~~
management record unit.

12. (Currently Amended) ~~An~~ The information processing apparatus according to claims 8, wherein

~~the unprocessed information comprises data to be processed and associated information associated with the data;~~

~~the storing means is provided with:~~

~~first storing means for storing the data to be processed; and~~

~~second storing means for storing the associated information~~

~~including information necessary for reading out the data to be processed from the first storing means; and~~

~~the limiting means unit is structured so as to resume the information processing under a condition where the associated information after all of the processing contents data is deleted from the second storing means management record unit.~~

13. (Currently Amended) ~~An~~ The information processing apparatus according to claims 9, wherein

~~the unprocessed information comprises data to be processed and associated information associated with the data;~~

~~the storing means is provided with:~~

~~first storing means for storing the data to be processed; and~~

~~second storing means for storing the associated information~~
~~including information necessary for reading out the data to be processed~~
~~from the first storing means, and~~
the limiting means unit is structured so as to resume the information
processing under a condition where the associated information after all of the
processing contents data is deleted from the ~~second storing means~~
management record unit.

14. (Currently Amended) ~~An~~ The information processing apparatus
according to claim 10, wherein the ~~second storing means~~ storage unit is
structured so as to store the data to be processed, in a condition of being
encrypted.

15. (Currently Amended) ~~An~~ The information processing apparatus
according to claim 11, wherein the ~~second storing means~~ storage unit is
structured so as to store the data to be processed, in a condition of being
encrypted.

16. (Currently Amended) ~~An~~ The information processing apparatus
according to claim 12, wherein the ~~second storing means~~ storage unit is
structured so as to store the data to be processed, in a condition of being
encrypted.

17. (Currently Amended) ~~An~~The information processing apparatus according to claim 13, wherein the ~~second storing means~~storage unit is structured so as to store the data to be processed, in a condition of being encrypted.

18. (New) An information processing apparatus, comprising:
storage means for storing data to be processed;
management record means for recording processing contents data representing processing contents of the data to be processed;
controlling means for controlling to carry out information processing, based on the processing contents data recorded in the management record means, about the data to be processed stored in the storage means;
resuming means for resuming, when the information processing is temporarily stopped and resumed, the information processing based on the processing contents data which is not changed between pre- and post-resuming;

invalidating means for invalidating the processing contents data recorded in the management record means;

operation admission means for making the invalidating means operable so that after the information processing is carried out, the invalidating means

invalidates the processing contents data for which the information processing has been carried out; and

limiting means for limiting, when the invalidating means is operable, the operation of the resuming means, wherein the information processing is resumed after deleting a part or all of the processing contents data recorded in the management record means,

wherein when the storage means successively stores the data to be processed, the controlling means controls to carry out successive information processing of the data to be processed already stored in the storage unit.